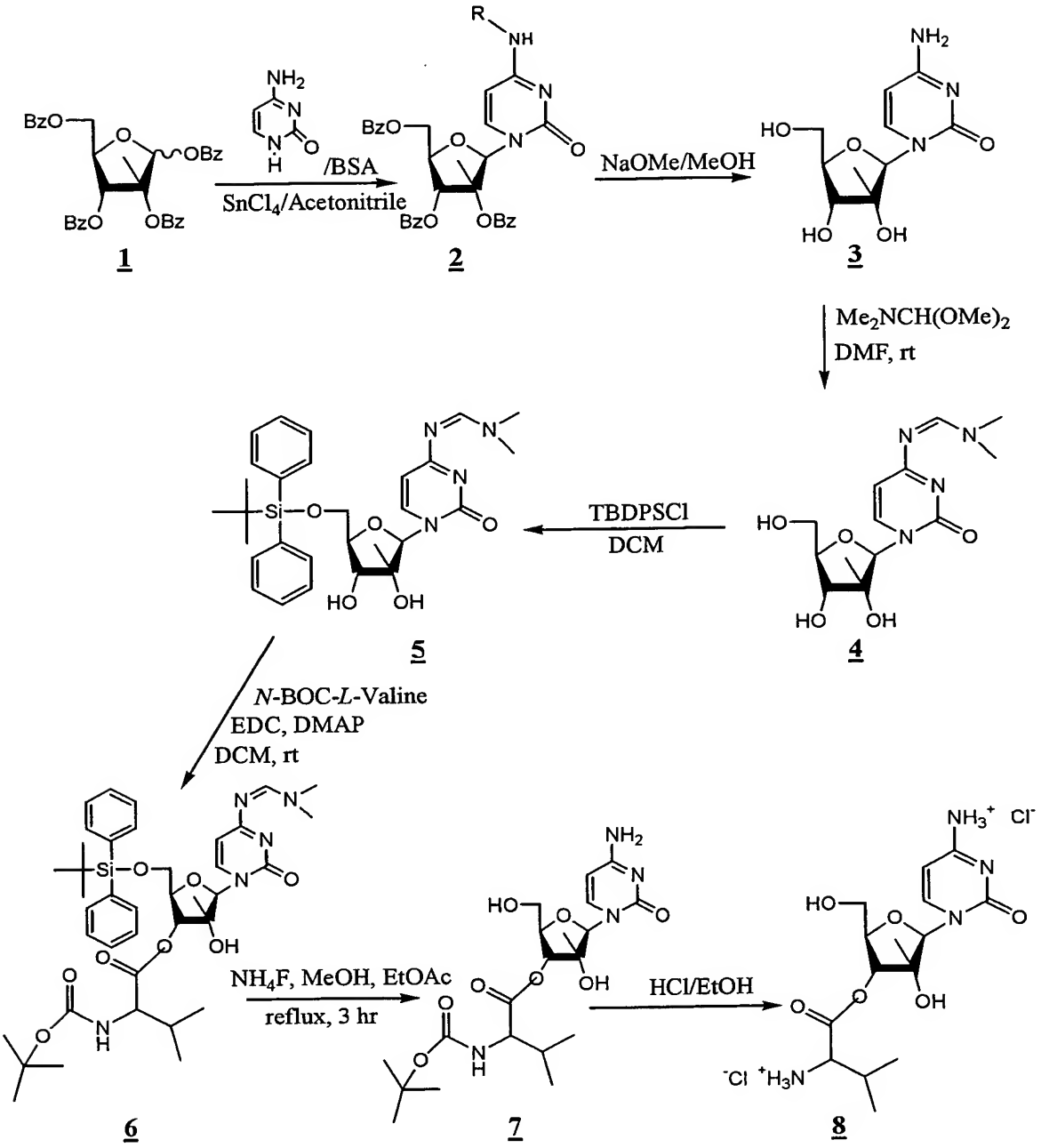
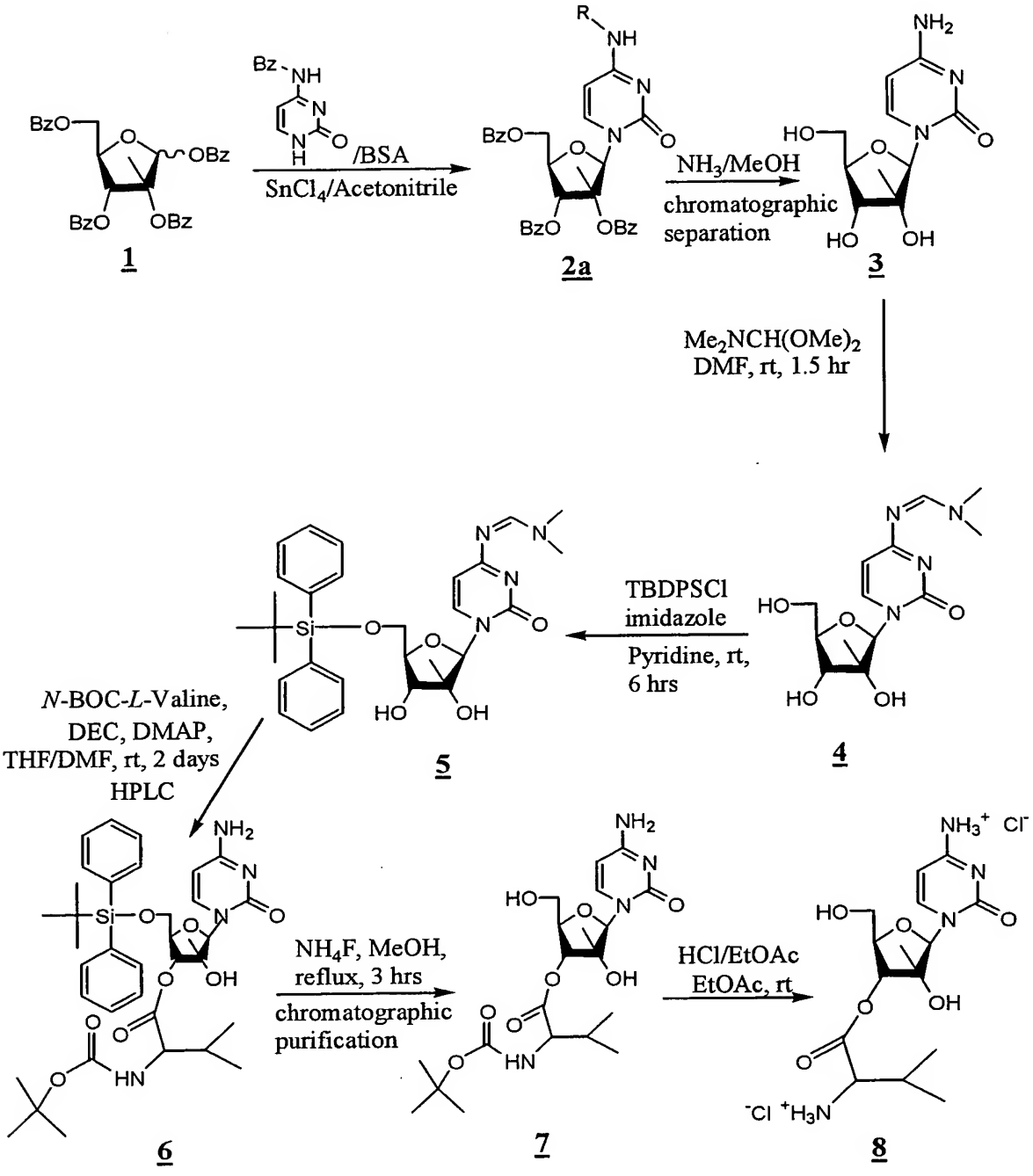
Figure 1a



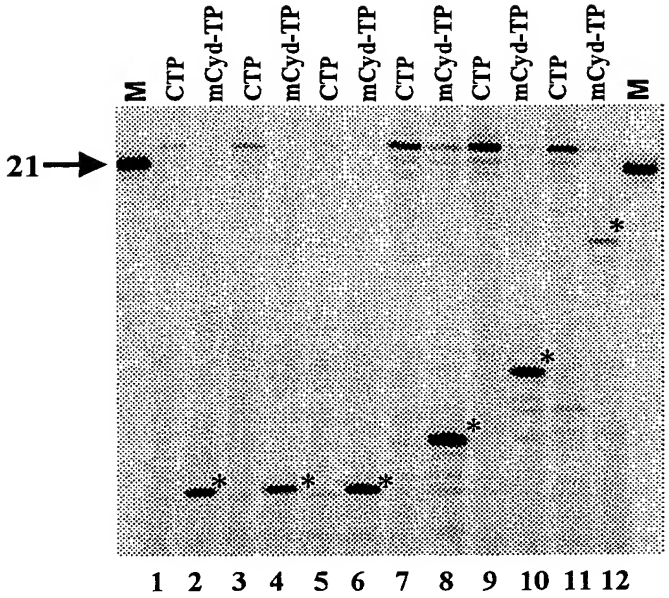
where: R = H

Figure 1b



where R = Bz

Figure 2



Lane #	template	→
1-2	(-21)	3' CAUAU**G**CUCUUAAUCUUUUCC
3-4	(-21)-7G	3' CAUAU**GG**UCUUAAUCUUUUCC
5-6	(-21)-9G	3' CAUAU**G**CU**G**UUAAUCUUUUCC
7-8	(-21)-6C/7G	3' CAUAUC**G**UCUUAAUCUUUUCC
9-10	(-21)-6C/9G	3' CAUAUCCU**G**UUAAUCUUUUCC
11-12	(-21)-6C/15G	3' CAUAUCCUCUUAAU**G**UUUUCC

Figure 3

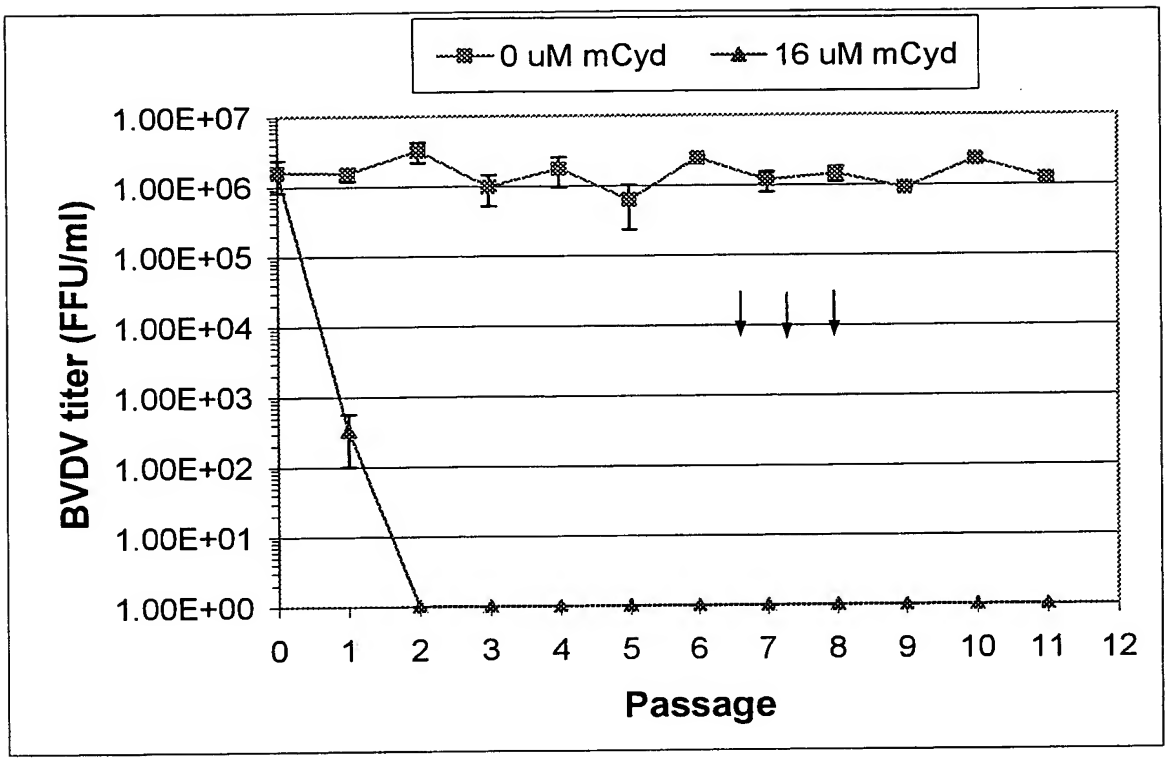
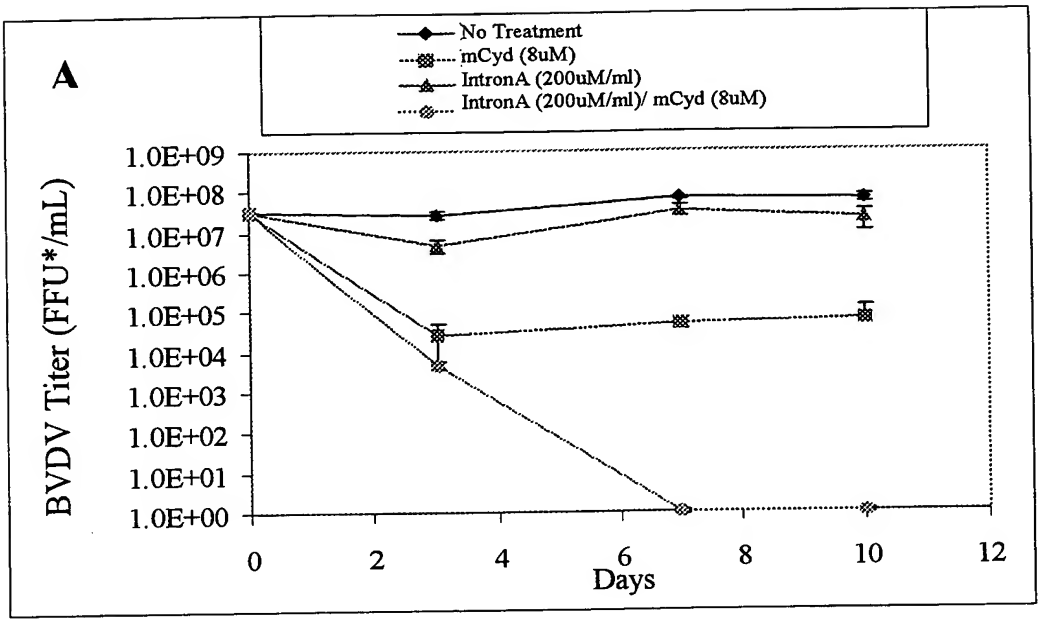

0 uM mCyd
16 uM mCyd
BVDV titer (FFU/ml)
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
0
1
2
3
4
5
6
7
8
9
10
11
12
Passage

Figure 4


A
No Treatment
mCyd (8uM)
IntronA (200uM/ml)
IntronA (200uM/ml)/ mCyd (8uM)
BVDV Titer (FFU*/mL)
1.0E+09
1.0E+08
1.0E+07
1.0E+06
1.0E+05
1.0E+04
1.0E+03
1.0E+02
1.0E+01
1.0E+00
0
2
4
6
8
10
12
Days

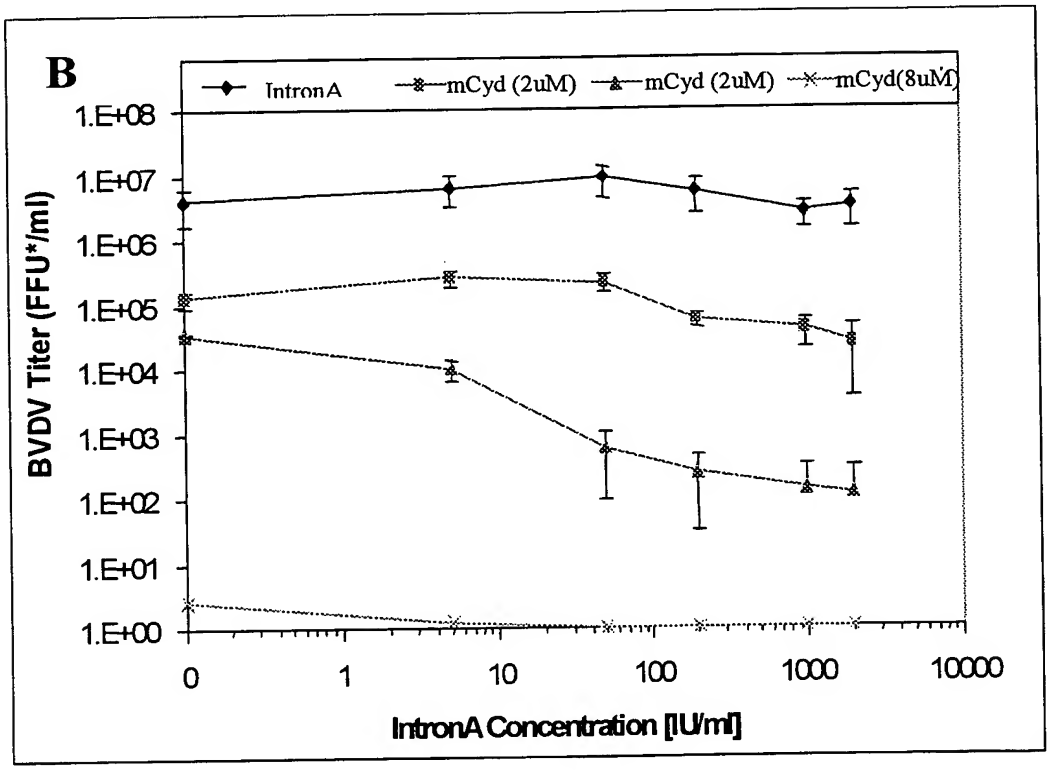
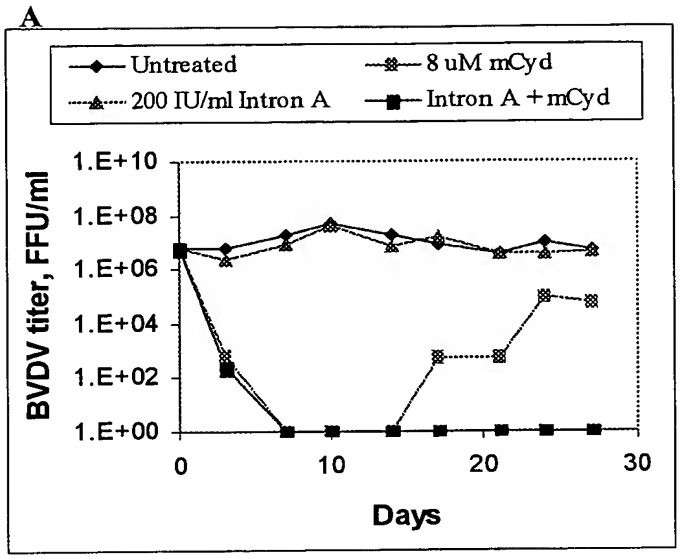
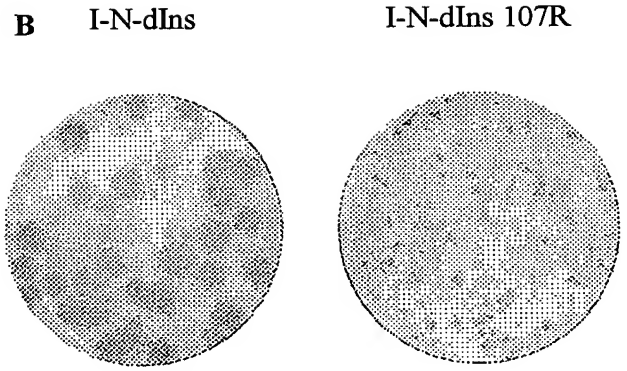
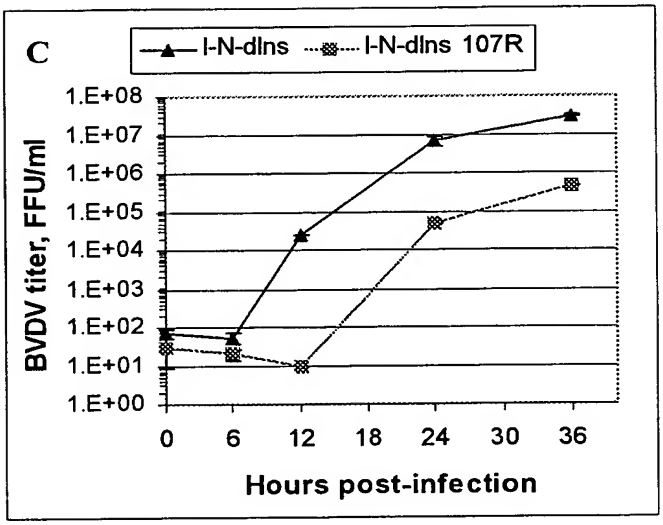

B
IntronA
mCyd (2uM)
mCyd (2uM)
mCyd(8uM)
BVDV Titer (FFU*/ml)
1.E+08
1.E+07
1.E+06
1.E+05
1.E+04
1.E+03
1.E+02
1.E+01
1.E+00
0
1
10
100
1000
10000
IntronA Concentration [IU/ml]

Figure 5


A
Untreated
8 uM mCyd
200 IU/ml Intron A
Intron A + mCyd
BVDV titer, FFU/ml
1.E+10
1.E+08
1.E+06
1.E+04
1.E+02
1.E+00
0
10
20
30
Days


B
I-N-dIns
I-N-dIns 107R


C
I-N-dIns
I-N-dIns 107R
BVDV titer, FFU/ml
1.E+08
1.E+07
1.E+06
1.E+05
1.E+04
1.E+03
1.E+02
1.E+01
1.E+00
0
6
12
18
24
30
36
Hours post-infection

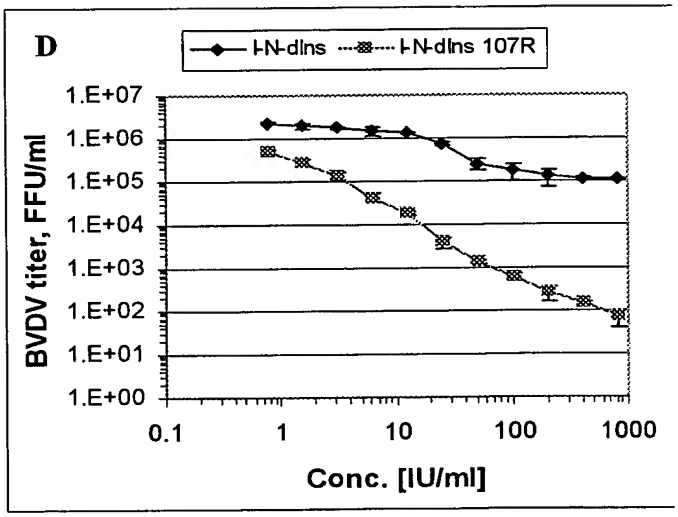

D
I-N-dIns
I-N-dIns 107R
BVDV titer, FFU/ml
1.E+07
1.E+06
1.E+05
1.E+04
1.E+03
1.E+02
1.E+01
1.E+00
0.1
1
10
100
1000
Conc. [IU/ml]

Figure 6

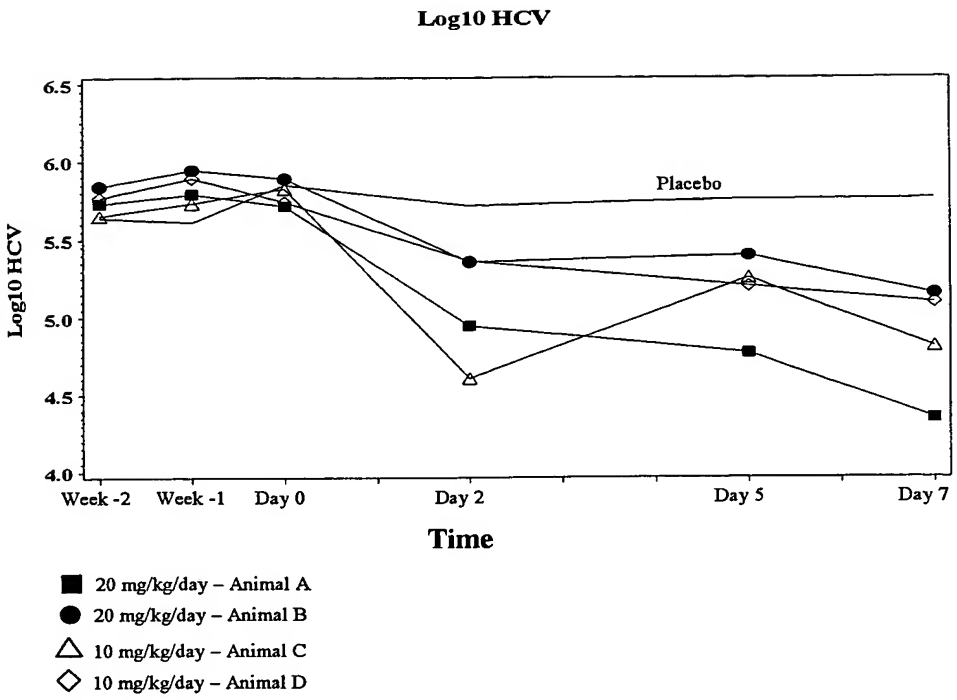

Log10 HCV
6.5
6.0
5.5
5.0
4.5
4.0
Log10 HCV
Placebo
Week -2
Week -1
Day 0
Day 2
Day 5
Day 7
Time
20 mg/kg/day – Animal A
20 mg/kg/day – Animal B
10 mg/kg/day – Animal C
10 mg/kg/day – Animal D

Figure 7

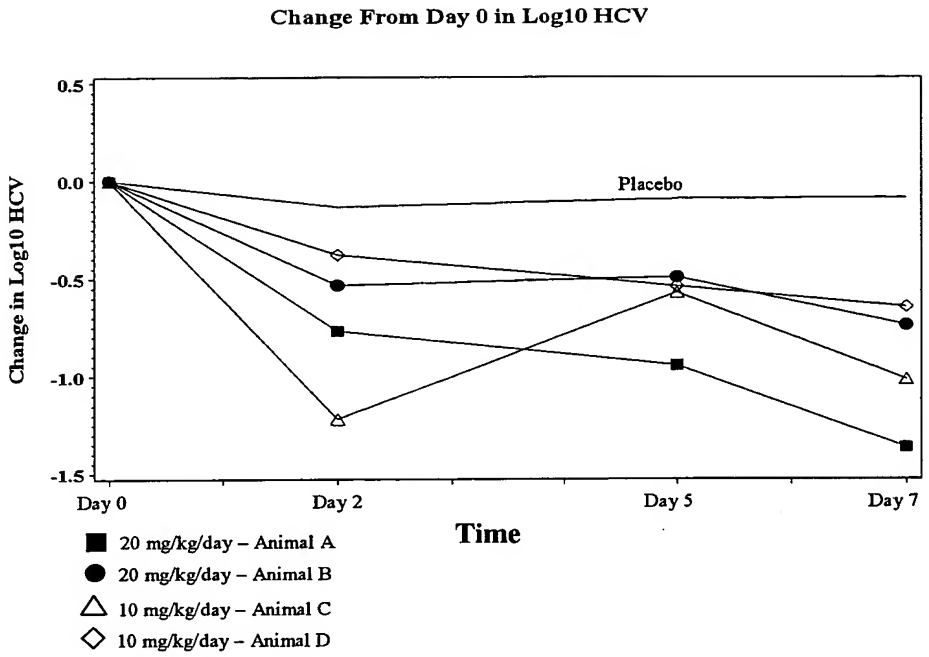

Change From Day 0 in Log10 HCV
0.5
0.0
-0.5
-1.0
-1.5
Change in Log10 HCV
Placebo
Day 0
Day 2
Day 5
Day 7
Time
20 mg/kg/day – Animal A
20 mg/kg/day – Animal B
10 mg/kg/day – Animal C
10 mg/kg/day – Animal D

Figure 8

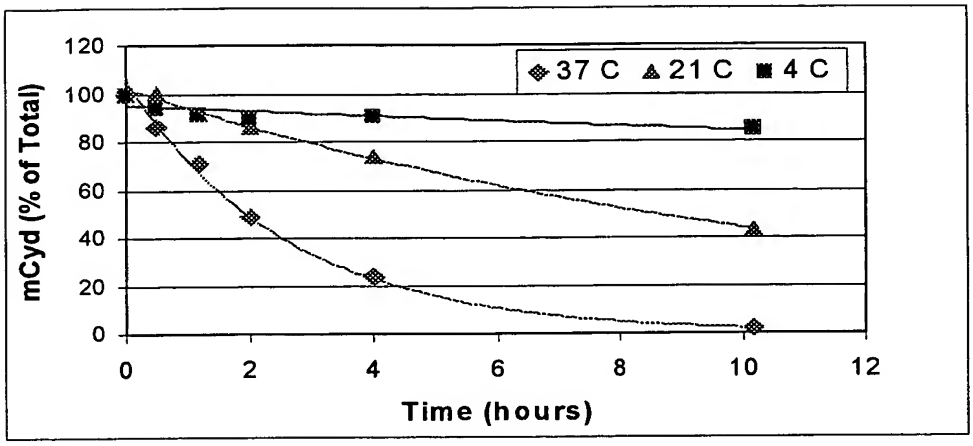

120
100
80
60
40
20
0
mCyd (% of Total)
37 C
21 C
4 C
0
2
4
6
8
10
12
Time (hours)

Figure 9

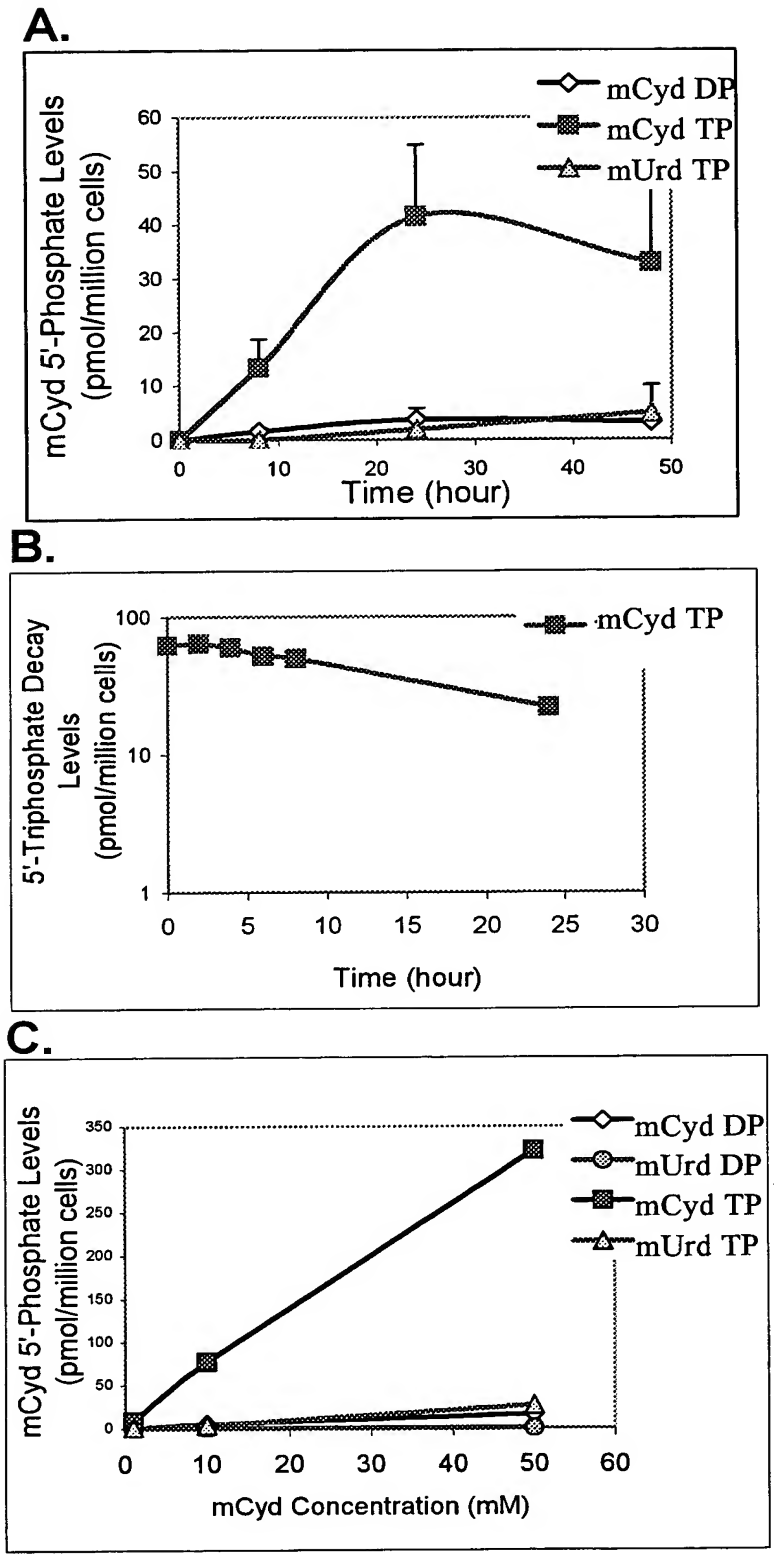

A.
mCyd 5'-Phosphate Levels (pmol/million cells)
mCyd DP
mCyd TP
mUrd TP
Time (hour)
B.
5'-Triphosphate Decay Levels (pmol/million cells)
mCyd TP
Time (hour)
C.
mCyd 5'-Phosphate Levels (pmol/million cells)
mCyd DP
mUrd DP
mCyd TP
mUrd TP
mCyd Concentration (mM)

Figure 10

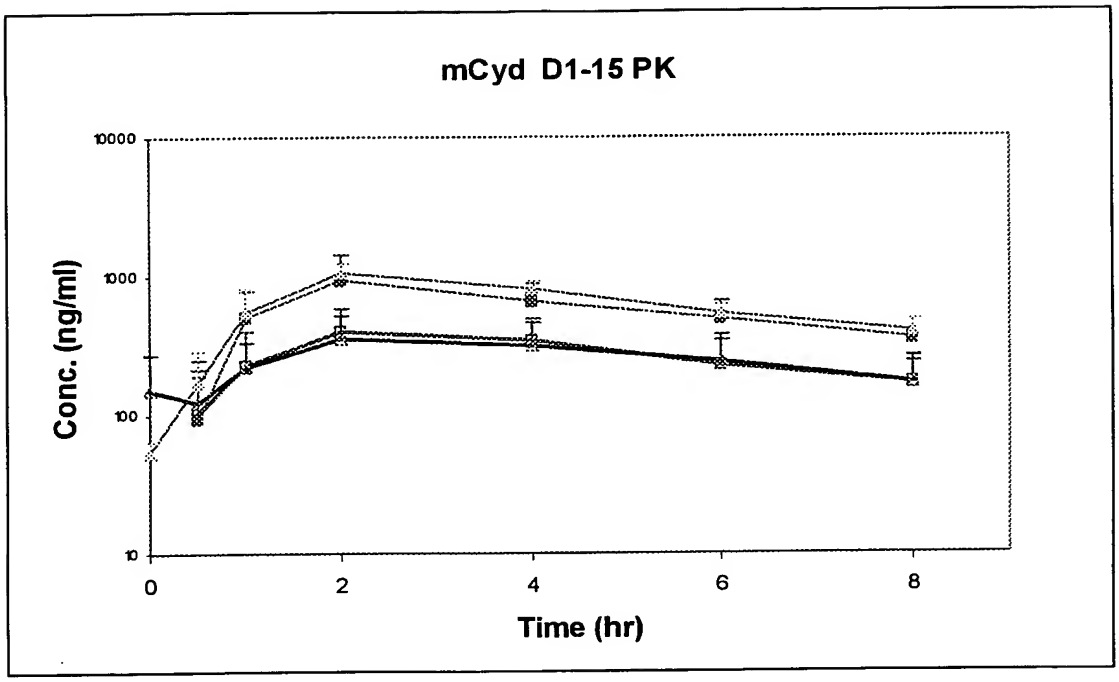
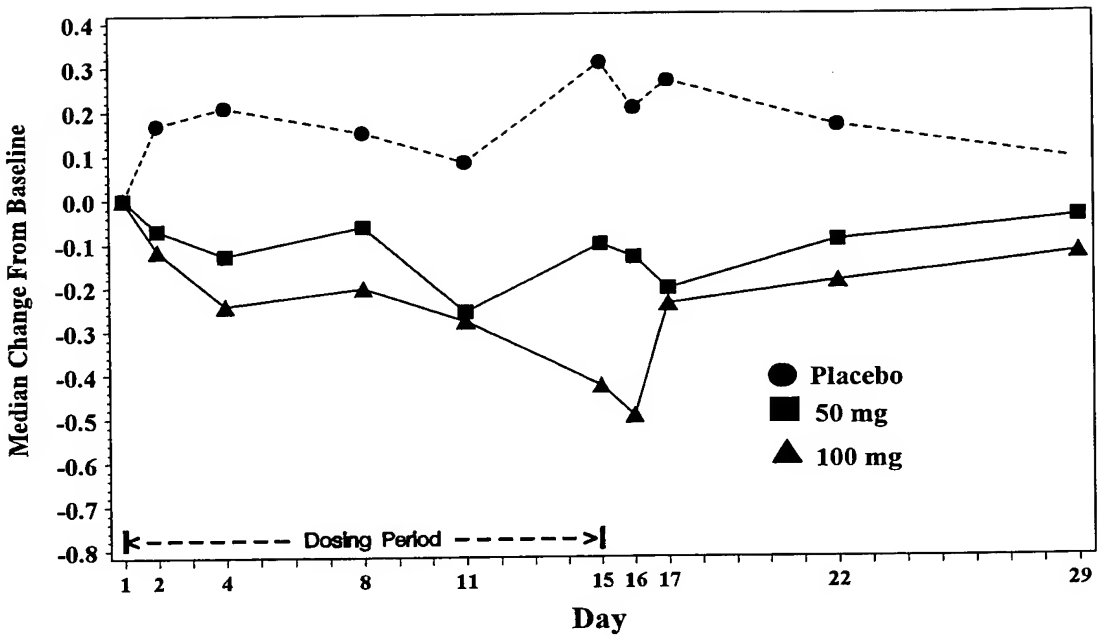


Figure 11


Median Change From Baseline
0.4
0.3
0.2
0.1
0.0
-0.1
-0.2
-0.3
-0.4
-0.5
-0.6
-0.7
-0.8
Placebo
50 mg
100 mg
Dosing Period
1
2
4
8
11
15
16
17
22
29
Day